

BEST AVAILABLE COPY

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

ATTY. DOCKET NO.
PHLY-24,767

SERIAL NO.
09/417,863

APPLICANT
Jeffry Jovan Philyaw and David Kent Mathews

FILING DATE
October 13, 1999

GROUP
~~2756~~ 2152

1 2 2000

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DBB	*1	3,668,312	06/06/72	Yamamoto et al.	348	17	
	2	4,002,886	01/11/77	Sundelin	235	61.7R	
	*3	4,042,792	08/16/77	Pakenham et al.	179	90	
	4	4,365,148	12/21/82	Whitney	235	383	
	*5	4,621,259	11/04/86	Schepers et al.	345	180	
	*6	4,654,482	03/31/87	DeAngelis	379	95	
	7	4,780,599	10/25/88	Baus	235	383	
	8	4,785,296	11/15/88	Tabata et al.	340	731	
	*9	4,816,904	03/28/89	McKenna et al.	348	13	
	*10	4,817,136	03/28/89	Rhoads	379	375	
	11	4,833,308	05/23/89	Humble	235	383	
	*12	4,841,132	06/20/89	Kajitani et al.	235	472	
	13	4,845,634	07/04/89	Vitek et al.	364	468	
	*14	4,894,789	01/16/90	Yee	348	552	
	*15	4,899,370	02/06/90	Kameo et al.	379	104	
	16	4,901,073	02/13/90	Kibrick	341	13	
	*17	4,905,094	02/27/90	Pocock et al.	386	106	
	*18	4,907,264	03/06/90	Seiler et al.	379	216	
	19	4,916,293	04/10/90	Cartlidge et al.	235	375	
	*20	4,937,853	06/26/90	Brule et al.	379	91	
✓	*21	4,947,028	08/07/90	Gorog	235	380	

Hyun bin 7/12/2002

DBB

OCT 12 2000

PATENT & TRADEMARK OFFICE

22	4,959,530	09/25/90	O'Connor	235	383	
*23	4,975,948	12/04/90	Andresen et al.	379	355	
*24	4,984,155	01/08/91	Geier et al.	364	401	
25	5,038,023	08/06/91	Saliga	235	385	
26	5,054,096	10/01/91	Beizer	382	41	
27	5,088,045	02/11/92	Shimanaka et al.	364	468	
28	5,111,391	05/05/92	Fields et al.	364	401	
29	5,115,326	05/19/92	Burgess et al.	358	440	
*30	5,128,752	07/07/92	Von Kohorn	358	84	
*31	5,144,654	09/01/92	Kelley et al.	379	356	
32	5,161,037	11/03/92	Saito	358	468	
33	5,161,214	11/03/92	Addink et al.	395	145	
34	5,182,705	01/26/93	Barr et al.	364	401	
*35	5,189,630	02/23/93	Barstow et al.	364	514	
36	5,191,525	03/02/93	LeBrun et al.	364	419	
37	5,198,644	03/30/93	Pfeiffer et al.	235	383	
38	5,235,654	08/10/93	Anderson et al.	382	61	
39	5,241,402	08/31/93	Aboujaoude et al.	358	406	
40	5,243,531	09/07/93	DiPippo et al.	364	468	
*41	5,247,347	09/21/93	Litteral et al.	348	7	
*42	5,262,860	11/16/93	Fitzpatrick et al.	348	461	
*43	5,285,278	02/08/94	Holman	348	10	
*44	5,287,181	02/15/94	Holman	348	473	
45	5,288,976	02/22/94	Citron et al.	235	375	
46	5,296,688	03/22/94	Hamilton et al.	235	375	
47	5,304,786	04/19/94	Pavlidis et al.	235	462	
*48	5,305,195	04/19/94	Murphy	705	1	
*49	5,319,454	06/07/94	Schutte	348	5.5	
50	5,324,922	06/28/94	Roberts	235	375	

My h h 7/12/2002

DBB

51	5,331,547	07/19/94	Laszlo	364	413.01	
52	5,340,966	08/23/94	Morimoto	235	376	
*53	5,357,276	10/18/94	Banker et al.	348	7	
54	5,362,948	11/08/94	Morimoto	235	376	
55	5,382,779	01/17/95	Gupta	235	383	
56	5,386,298	01/31/95	Bronnenberg et al	358	403	
57	5,398,336	03/14/95	Tantry et al.	395	600	
58	5,405,232	04/11/95	Lloyd et al.	414	280	
59	5,418,713	05/23/95	Allen	364	403	
60	5,420,403	05/30/95	Allum et al.	235	375	
61	5,420,943	05/30/95	Mak	382	313	
62	5,424,524	06/13/95	Ruppert et al.	235	462	
*63	5,438,355	08/01/95	Palmer	348	1	
*64	5,446,490	08/29/95	Blahut et al.	348	7	
*65	5,446,919	08/29/95	Wilkins	455	6.2	
*66	5,491,508	02/13/96	Friedell et al.	348	16	
67	5,493,107	02/20/96	Gupta et al.	235	383	
68	5,519,878	05/21/96	Dolin, Jr.	395	800	
69	5,530,852	06/25/96	Meske, Jr. et al.	396	600	
*70	5,570,295	10/29/96	Isenberg et al.	379	90.01	
*71	5,572,643	11/05/96	Judson	395	793	
*72	5,592,551	01/07/97	Lett et al.	380	20	
*73	5,594,226	01/14/97	Steger	235	379	
74	5,602,377	02/11/97	Beller et al.	235	462	
*75	5,604,542	02/18/97	Dedrick	348	552	
*76	5,640,193	06/17/97	Wellner	348	7	
77	5,649,186	07/15/97	Ferguson	395	610	
*78	5,664,110	09/02/97	Green et al.	705	26	
79	5,671,282	09/23/97	Wolff et al.	380	25	

Hyun Bin 7/12/2002

DBB

7

12 2000

U.S. PATENT & TRADEMARK OFFICE

*80	5,675,721	10/07/97	Freedman et al.	395	129	
81	5,682,540	10/28/97	Klotz, Jr. et al.	395	766	
*82	5,694,163	12/02/97	Harrison	348	13	
*83	5,708,780	01/13/98	Levergood et al.	709	229	
84	5,710,887	01/20/98	Chelliah et al.	395	226	
*85	5,715,314	02/03/98	Payne et al.	705	78	
*86	5,724,424	03/03/98	Gifford	705	79	
87	5,745,681	04/28/98	Levine et al.	395	200.3	
*88	5,754,906	05/19/98	Yoshida	396	448	
89	5,757,917	05/26/98	Rose et al.	380	25	
*90	5,761,606	06/02/98	Wolzien	455	6.20	
91	5,764,906	06/09/98	Edelstein et al.	395	200.49	
92	5,765,176	06/09/98	Bloomberg	707	514	
*93	5,768,528	06/16/98	Stumm	709	231	
*94	5,774,664	06/30/98	Hidary et al	395	200	
*95	5,774,870	06/30/98	Storey	705	14	
*96	5,778,367	07/07/98	Wesinger, Jr. et al.	707	10	
*97	5,790,793	08/04/98	Higley	709	218	
98	5,791,991	08/11/98	Small	463	41	
*99	5,794,210	08/11/98	Goldhaber et al.	705	14	
*100	5,796,952	08/18/98	Davis et al.	305	200.54	
101	5,804,803	09/08/98	Cragun et al.	235	375	
102	5,815,776	09/29/98	Nukada	399	174	
103	5,832,223	11/03/98	Hara et al.	395	200.47	
*104	5,833,468	11/10/98	Guy et al.	434	350	
105	5,848,202	12/08/98	D'Eri et al.	382	306	
106	5,848,413	12/08/98	Wolff	707	10	
*107	5,854,897	12/29/98	Radziewicz et al.	709	224	
*108	5,864,823	01/26/99	Levitan	105	14	

Kyle Kir 7/12/2002

DBB

109	5,869,819	02/09/99	Knowles et al.	235	375	
110	5,905,248	05/18/99	Russell et al.	235	462	
*111	5,905,251	05/18/99	Knowles	235	472.01	
*112	5,905,665	05/18/99	Rim	364	746	
*113	5,905,865	05/18/99	Palmer et al.	395	200.47	
*114	5,907,793	05/25/99	Reams	455	3.1	
115	5,913,210	06/15/99	Call	707	4	
*116	5,915,090	06/22/99	Joseph et al.	709	202	
117	5,918,214	06/29/00	Perkowski	705	27	
*118	5,925,865	07/20/99	Steger	235	379	
*119	5,929,850	07/27/99	Broadwin et al.	345	327	
120	5,932,863	08/03/99	Rathus et al.	235	462.15	
*121	5,933,829	08/03/99	Durst et al.	707	10	
*122	5,948,061	09/07/99	Merriman et al.	709	219	
*123	5,957,695	09/28/99	Redford et al.	434	307R	
*124	5,960,411	09/28/99	Hartman et al.	705	26	
*125	5,961,603	10/05/99	Kunkel et al.	709	229	
*126	5,970,471	10/19/99	Hill	705	26	
*127	5,970,472	10/19/99	Allsop et al.	705	26	
*128	5,971,277	10/26/99	Cragun et al.	235	462.01	
*129	5,974,443	10/26/99	Jeske	709	202	
*130	5,974,451	10/26/99	Simmons	709	218	
*131	5,976,833	11/02/99	Furukawa et al.	435	69.1	
*132	5,978,773	11/02/99	Hudetz et al.	709	219	
*133	5,991,739	11/23/99	Cupps et al.	705	26	
134	5,992,752	11/30/99	Wilz, Sr. et al.	235	472.01	
135	5,995,105	11/30/99	Reber et al.	345	356	
*136	6,002,394	12/14/99	Schein et al.	345	327	
*137	6,003,073	12/14/99	Solvason	709	219	

Steph Davis 7/12/2002

DBB
DBB
DBB
DBB
DBB
DBB
DBB
DBB
DBB

*138	6,006,257	12/21/99	Slezak	709	219	
*139	6,009,410	12/28/99	LeMole et al.	709	219	
*140	6,009,465	12/28/99	Decker et al.	709	219	
141	6,012,102	01/04/00	Shachar	710	5	
142	6,018,764	01/25/00	Field et al.	709	217	
143	6,049,539	04/11/00	Lee et al.	370	355	
144	6,064,979	05/16/00	Perkowski	705	26	
145	6,108,656	08/22/00	Durst et al.	707	10	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
DBB	F1	WO 95/10813	10/14/94	PCT	G06F	15/403	NO
	F2	WO 96/07146	9/1/95	PCT	G06F	17/00	NO
	F3	WO 97/37319	2/20/97	PCT	G06K	7/10	NO
	F4	WO 98/03923	1/29/98	PCT	G06F	15/163	NO
	F5	WO 98/06055	2/12/98	PCT	G06F	163/00	NO
	F6	WO 98/09243	8/22/97	PCT	G06F	19/00	NO
	F7	WO 98/19259	5/7/98	PCT	G06F	17/60	NO
	F8	WO 98/40823	9/17/98	PCT	G06F	13/00	NO
	F9	WO 99/63457	6/3/99	PCT	G06F	17/30	NO
	F10	EP 0 961 250 A2	12/1/99	EP	G07F	19/00	NO
↓	F11	JP 10188140A	12/24/96	JP	G07G	1/12	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc.)

DBB	D1	"Group Decision Support System: Development and Application", Energy Systems, Westinghouse, Pittsburgh, PA
DBB	D2	"New Technologies in Credit Card Authentication", Pieter de Bryne, Institute for Communications Technology, Zurich, Switzerland
DBB	D3	"AVITAL, a Private Teaching System by Fax Communication", Atsushi Iizawa, Norihiro Sugiki, Yukari Shitara and Hideko Kunii, Software Research Center, Tokyo, Japan
DBB	D4	"Document on Computer" USPS Technical Support Center, Norman, OK

[Signature] 7/12/2002

DBB	D5	"Development of a Commercially Successful Wearable Data Collection System", Symbol Technologies, Inc.
DBB	D6	"What do forward looking companies consider in their plans and developments?", A.G. Johnston, Nestle
DBB	D7	"The Automation Synergy", Neves and Noivo, Portugal
DBB	D8	"Integration of Hand-Written Address Interpretation Technology into the United States Postal Service Remote Computer Reader System", Srihari (CEDAR, SUNY at Buffalo) and Kueberg (U.S. Postal Service, VA)
DBB	D9	"Paper Based Document Security - A Review", van Renesse, TNO Institute of Applied Physics, The Netherlands
DBB	D10	"IEEE Standard for Bar Coding for Distribution Transformers" Transformers Committee of the IEEE Power Engineering Society, The Institute of Electrical and Electronics Engineers, Inc. NY
DBB	D11	"The Stylus™-Shopping from Home", STYLUS Innovation, MA
DBB	D12	"Distributing Uniform Resource Locators as Bar Code Images", IBM Technical Disclosure Bulletin, Jan 1996
DBB	D13	"Bar Code Method for Automating Catalog Orders", IBM Technical Disclosure Bulletin, September 1998
DBB	D14	"Bar-Code Recognition System Using Image Processing", Kuroki, Yoneoka et al., Hitachi Research Laborator
EXAMINER <i>[Signature]</i>		DATE CONSIDERED <i>7/12/2002</i>
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		



Approved for use through 10/31/2002 OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

MAR 12 2011

(use as many sheets as necessary)

Sheet	1	of	1
-------	---	----	---

Application Number	09/417,863
Filing Date	October 13, 1999
First Named Inventor	PHILYAW, J et al.
Group Art Unit	2756-2152
Examiner Name	To Be Assigned
Attorney Docket Number	PHLY-24,767

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

Date
Cons

7	12	2002
---	----	------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☒ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.